

KOROTKEVICH, V.T.; ZELINSKIY, V.V.; BORISEVICH, N.A.

Electron spectra of vapors of N-methylphthalimides. Izv. AN SSSR.
Ser.fiz. 27 no.4:576-579 Ap '63. (MIRA 16:4)
(Phthalimides—Spectra)

KOROTKEVICH, Ye., inzh.

Special characteristics of weight determination of a
moist gravel and sand mixture. Rech.transp. 19 no.7:39
Jl '60. (MIRA 13:8)

1. Permskiy port.
(Ships--Cargo) (Volume(Mathematics))

MYSHAK, F., polkovnik; KOROTKEVICH, Ye., podpolkovnik

Engineering work on wooded and swampy terrain. Voen. vest. 43
no.9:30-32 S. '63. (MIRA 16:10)

(Military engineering)

ACC NR: AT6016058 (N) SOURCE CODE: UR/3174/66/000/057/0005/0020

AUTHOR: Korotkevich, Ye. A. (Candidate of geographical sciences) 58
ORG: Arctic and Antarctic Scientific Research Institute (Arkticheskiy i Antarkticheskiy nauchno-issledovatel'skiy institut) B+1

TITLE: Ten years of Soviet research in Antarctica (1956-1969)

SOURCE: Sovetskaya antarkticheskaya ekspeditsiya, 1955. Informatsionnyy byulleten', no. 57, 1966, 5-20

TOPIC TAGS: synoptic meteorology, radio wave absorption, radio wave projection, ionospheric radio wave, ionospheric absorption, magnetic anomaly, earth crust, seismicity

ABSTRACT: Observations pertaining to meteorology, aerology, actinometry, ozone, synoptics, geomagnetism, earth currents, seismology, vertical ionosphere probing, radio wave absorption in the ionosphere, visual and photographic observations of aurora polaris, spectrometry and radar probes of the aurora polaris, cosmic rays, glaciation, oceanological, biological and medical phenomena in Antarctica are described. The data were gathered by the Vostok, Vostok-1, Komsomol'skaya, Lazarev, Mirnyy, Oazis, Pionerskaya, Sovetskaya, and Pole of Inaccessibility stations. The data show that 1) there is a connection between the magneto-conjugate points of the Southern and Northern

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L 1001058

ACC NR: AT6016058

Hemispheres of the ionosphere; 2) the mean ionospheric characteristics of the Arctic and Antarctica are identical; 3) propagation of radio waves in Antarctica are affected by their absorption characteristics and their orientations to the aurora polaris zones; 4) amplitude variations of earth currents are considerably larger in Antarctica than those at the middle latitudes; 5) magnetic anomalies are of regional character and, therefore lend themselves to the evaluation of the nature of the earth's crust; 6) seismic observations indicate the aseismic character of the continent; 7) the radiation balance of Antarctica is negative; 8) there are 6 giant cyclonic circulations between the Antarctic coastal line and the Antarctic surface water convergence. Orig. art. has: 2 figures, 2 tables.

SUB CODE: 04,08 ~~23~~ SUBM DATE: 28Oct65

ms
Card 2/2

KOROTKEVICH, Ye.L.

PIDOPLICHKO, I.G., professor; KOROTKEVICH, Ye.L.

Paleontological excavations in the flood zone of the Kakhovka Hydroelectric Power Station. Priroda 46 no.1:107-109 Ja '57. (MLRA 10:2)

1.Institut zoologii Akademii nauk Ukrainskoy SSR, Kiev.
(Kakhovka Reservoir--Paleontology)

AUTHOR: Korotkevich, Ye.L. SOV-21-58-4-29/29

TITLE: On Certain Structural Features of the Limbs of the Sarmatian Chilotherium (O nekotorykh osobennostyakh stroyeniya konechnostey sarmatskogo khiloteriya)

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1958, Nr 4, pp 467-471 (USSR)

ABSTRACT: Excavations at the town of Berislav in the Kherson Oblast', which were carried out from 1952 to 1955, yielded interesting material for studying the fauna of mammals in the south of the UkrSSR during the Neogene epoch. Among bones found there is a considerable number of those belonging to the hornless rhinoceros of the genus Chilotherium occurring in the Upper Sarmation limestone layers. A comparison of the Sarmatian Chilotherium with Chilotherium schlosseri from the Meotic deposits (village of Grebenniki, Odessa Oblast') showed a number of distinctions in the structure of the limbs of these rhinoceri. The structure of the proximal division of the metacarpal bones of the Berislav Chilotherium indicates a distribution of the principal weight on all metapodia, and not on the third metacarpus as in the Grebenniki Chilotherium, while the presence in most cases of two articular facets on

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SOV-21-58-4-29/29

On Certain Structural Features of the Limbs of the Sarmatian Chilotherium

the metatarsus (there are three in the Grebenniki specimen) indicates a lesser elastic adaptation. The functional significance of these facets was already pointed out by V.G. Kas'yanenko [Ref. 2 to 4] and S.F. Manziy [Ref. 6]. These structural features warrant an assumption that the Sarmatian Chilotherium was adapted to softer ground than was the Metic. Smaller dimensions and a lesser elongation of the limbs indicate a smaller degree of specialization and the primitiveness of the Sarmatian Chilotherium. There are 2 diagrams, 1 table and 7 references, 6 of which are Soviet and 1 Chinese.

ASSOCIATION: Institut zoologii AN UkrSSR (Institute of Zoology of the AS UkrSSR)

PRESENTED: By Member of the AS UkrSSR, V.G. Kas'yanenko

SUBMITTED: June 1, 1957
Card 2/3 1. Rhinoceros--Physiology 2. Paleoecology--USSR

SOV-21-58-4-29/29

On Certain Structural Features of the Limbs of the Sarmatian Chilotherium

NOTE: Russian title and Russian names of individuals and institutions appearing in this article have been used in the transliteration.

1. Rhinoceros--Physiology 2. Paleoecology--USSR

Card 3/3

USCOMM-DC-55524

KOROTKEVICH, Ye.L. [Korotkevych, O.L.]

New Chilotherium species from upper Sarmatian deposits in the Ukraine [with summary in English]. Dop. AN URSR no. 12:1372-1376 '58. (MERA 12:1)

1. Institut zoologii AN USSR. Predstavil akademik AN USSR V.G.Kas'yanenko [V.H.Kas'yanenko] (Berislav--Rhinoceros, Fossil)

3(5)
AUTHOR:

Korotkevych, O.L. (Korotkevich, Ye. L.)

SOV/21-59-7-21/25

TITLE: Berislav Hipparium Fauna

PERIODICAL: Dopovidi Akademii Nauk Ukrains'koi RSR, 1959, Nr 7
pp 785-789 (UkrSSR)

ABSTRACT: This article is devoted to a study of new hipparium fauna buried in the late Sarmation limestone deposits of Berislav, Kherson region. As a result of a study of these deposits, the taphonomic characteristics are elucidated (the interment conditions of most hipparia in the South of the USSR have hitherto not been known.) In addition, the author establishes the specific composition and the interrelationship of the bones and individuals within the Berislav fauna (table 1). Up to the present only a tentative list of fauna was known. On the basis of the interrelations of ecological groups within the fauna (fig 1) conclusions are drawn as to the presence in the late Sarmatian in the given district of considerable spaces, possibly swamped, covered with tree and shrub vegetation. As

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Berislav Hipparion Fauna

SOV/21-59-7-21/25

a result of a comparison of the hipparion faunas definite distinctions are noted between the Sarmatian and Meotic fauna, in which the paleotragi, tragoceri and chilotheria are represented by different species. The findings were done during the construction of hydropower-station of Kakhovka. The research was supervised by T.H. Pidonlichko, also participated V.A. Topachevs'kyy, V.N. Bondarenko and A.I. Shevchenko. The expedition was organized by the Institute of Zoology AS UkrSSR. There are 1 table, 1 diagram and 7 Soviet references.

ASSOCIATION: Institut zoologii AN UkrSSR (Institute of Zoology AS UkrSSR)

PRESENTED: V.G. Kasyanenko, Member AS UkrSSR

SUBMITTED: March 2, 1959

Card 2/2

KOROTKEVICH, Ye.L. [Korotkevych, O.L.]

Tragocerus from new locations of the Hipparion fauna of the Ukraine.
Zbir. prats' Zool.muz. AN URSR no.31:28-42 '62. (MIRA 17:2)

KOKOTKEVICH, YE. L.
AID Nr. 978-7 28 May

CHROMIUM-NICKEL STEEL WITH CERIUM (USSR)

Goldshteyn, Ya. Ye., V. I. Zel'dovich, A. I. Komissarov, and Ye. L.
Korotkevich. Stal', no. 4, Apr 1963, 354-358.

S/133/63/000/004/007/011

The effects of the addition of ferrocerium containing 94% rare-earth metals on the mechanical properties of 40XH (0.37% C, 1.03% Ni, 0.57% Cr) steel were investigated at the Chelyabinsk Scientific Research Institute of Metallurgy and the Chelyabinsk Metallurgical Plant. The hardenability of steel increased only with the addition of 0.6% Fe-Ce (smaller additions did not affect the hardenability). Fe-Ce has little or no effect on austenite grain size or the rate of grain growth at high temperature. The addition of 0.10 and 0.25% Fe-Ce had a positive effect on notch toughness. With low-temperature tempering a maximum notch toughness of 5 kgm/cm² was obtained in

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AID Nr. 978-7 28 May

CHROMIUM-NICKEL STEEL [Cont'd]

S/133/63/000/004/007/011

steel with 0.25% Fe-Ce; with high-temperature tempering a maximum of 22 kgm/cm² was obtained in steel with 0.1% Fe-Ce. Fe-Ce lowered the susceptibility of 40XH steel to temper brittleness. An addition of 0.25% Fe-Ce reduced the anisotropy of mechanical properties, 0.10% Fe-Ce had no effect, and 0.6% Fe-Ce increased the anisotropy. The addition of 0.6% Fe-Ce lowered the temperature of transition to brittle behavior by 30 to 40°C, which can be attributed to the purifying and refining effect of Fe-Ce. [WW]

Card 2/2

KOROTKEVICH, Ye.L. [Korotkevych, O.L.]

New finds of the Pliocene roe deer fossil of the genus
Procapreolus in the southern part of the U.S.S.R. Dop. AN
URSSR no. 3:382-386 '64. (MIRA 17:5)

1. Institut zoologii AN UkrSSR. Predstavлено академиком
АН UkrSSR V.G. Kas'yanenko [Kas'ianenko, V.H.].

KOROTKEVICH, Ye.L. [Korotkevych, O.L.]

New species of fossil *Muntaicus* from Pliocene sediments in the
south of the U.S.S.R. Dop. AN URSR no. 6:807-810 '64.
(MIRA 17:9)

1. Institut zoologii AN UkrSSR. Predstavljeno akademikom AN
UkrSSR V.G.Kas'yanenko [Kas'ianenko, V.H.].

KOROTKEVICH, Ye. L.

New species of the Maeotic roe deer of the Ukraine.
Paleont. zhur. no.4:60-67 '65. (MIRA 19:1)

1. Institut zoologii AN UkrSSR. Submitted Feb. 3, 1964.

KOROTKEVICH, Ye. S.

GORODKOV, B.N. [deceased]; KOROTKEVICH, Ye.S.

Nutrition of willow ptarmigans in the arctic desert zone [with
summary in English]. Zool.shur. 36 no.9:1382-1384 S '57.

(MIRA 10:10)

1. Arkticheskiy nauchno-issledovatel'skiy institut Glavsevmorputi.
(Kotel'nyy Island--Ptarmigans)
(Birds--Food)

KOROTKEVICH, Ye.S., kand.geograf.nauk

Distribution of icebergs in the Davis Sea region. Inform.biul.
Sov.antark.eksp. no.1:65-71 '58. (MIRA 12:8)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy
institut. (Davis Sea region--Icebergs)

KOROTKEVICH, Ye.S.

"Antarctic mummies." Inform. biul. Sov. antarkt. eksp. no.2:57-59
'58. (MIRA 12:8)
(Antarctic regions--Mummies)

KOROTKEVICH, Ye.S.

"Penguin's milk." Inform biul. Sov. antarkt. eksp. no.2:62
'58. (MIRA 12:8)
(Penguins)

KOROTKEVICH, Ye.S., kand.geogr.nauk

Observations on seals during the first wintering of the Soviet
Antarctic Expedition in 1956-1957. Inform.biul.Sov.antark.eksp.
no.3:79-80 '58. (MIRA 12:4)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy
institut.
(Antarctic regions--Seals (Animals))

KOROTKEVICH, Ye.S., kand.geogr.nauk

Observations on birds during the first wintering of the Soviet
Antarctic Expedition in 1956-1957. Inform.biul.Sov.antark.eksp.
no.3:83-87 '58. (MIRA 12:4)

I. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy
institut.

(Antarctic regions--Water birds)

KOROTKEVICH, Ye. S.

Vegetation of Severnaya Zemlya [with summary in English]. Bot.
zhur. 43 no. 5:644-663 My '58. (MIRA 11:7)

1. Arkticheskiy nauchno-issledovatel'skiy institut, Leningrad.
(Severnaya Zemlya--Phytogeography)

AUTHOR: Korotkevich, Ye.S. 12-90-3-2/16

TITLE: Physico-Geographical Characteristics of the Region of Work of the Soviet Antarctic Expedition of 1955 - 1957 (Fiziko-geograficheskaya kharakteristika rayona rabot sovetskoy antarkticheskoy ekspeditsii 1955 - 1957 gg)

PERIODICAL: Izvestiya Vsesoyuznogo Geograficheskogo Obshchestva, 1958, Vol. 90, Nr 3, pp 220 - 243 (USSR)

ABSTRACT: The Soviet Antarctic expedition of 1956-57 included into its program the exploration of Eastern Antarctica on a surface of about 1 million sq. km, between 74° and 111° eastern longitude, covering 2,000 km along the coast and over 1,500 km of the inner continent. The author presents information on preliminary results of physico-geographical and bio-geographical investigations in the Mirnyy area, including the Banger, Grierson and Westfold oases, and separate mountains and nunataks. The ice cover on the continent is described as well as the structure and types of shelf glaciers. The continental ice cover descends from a height of 3,500 - 4,000 m down to the coast. The sea is frozen practically the whole year round and icebergs are frequent. Landfloe-ice, accumulated near the

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12-90-3-2/16

Physico-Geographical Characteristics of the Region of Work of the Soviet Antarctic Expedition of 1955 - 1957

shore, disappears during the summer season and the sea is free from ice during February and March. Iceless areas, the so-called "oases" and nunataks, occur in the border zones of the ice cover; their geological formation consists of crystalline shale, gneiss, granite, dolorite, quartz, pegmatite and aplite as shown in investigations by P.S. Voronov. The Gauss mountain, an extinct Tertiary volcano, has a special structure. The following scientists carried out investigations on the "oases": A.K. Dorokhin, P.V. Ushakov, V.P. Polevaya, V.M. Koltun, N.P. Rusin, V.P. Savich, L.I. Savich-Lyubitskaya, Z.N. Smirnova, M.M. Gollerbach, N.A. Akatova, L.A. Kutikova, A.D. Zinova, T.S. Savel'yeva, A.P. Andriyashev, Ye.Ye. Syro-yechkovskiy. Natural conditions, location and the surface of the Grierson (300 sqkm) - Banger (1,000 sq. km) and Westfold (500 sq. km) oases are described, including terrace formation, fresh water lakes, climatic conditions, salt-water lakes and vegetation, which is very poor and consists of lichens and moss. About 2 dozens kinds of lichens and one dozen species of moss were discovered. Phytoplankton contents in sea water provide

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12-90-3-2/16

Physico-Geographical Characteristics of the Region of Work of the Soviet Antarctic Expedition of 1955 - 1957

better living conditions for marine animals, such as mollusks, small crayfish, fish, whales, seals and birds, the most characteristic of which are penguins. The sea is the source of life in the Antarctic. The difference between the continental and coastal conditions of the Antarctic is very great. There is an ice desert on the inner continent, and on the coast can be found a complex of various landscapes containing all elements of geographical regions. The explored regions show transitional stages from typical oases to separate island and island groups. The author gives some characteristics of nunataks. The Arctic and the Antarctic region can be considered as northern and southern polar deserts; they belong, however, to different subzones. There is one map, 14 photographs, 1 schematic drawing, and 12 references,³ of which are Soviet, 5 English, and 4 German.

AVAILABLE:
Card 3/3

Library of Congress
1. Physical geography-Antarctic regions-USSR 2. Biogeography-Antarctic regions-USSR 3. Ice-Antarctic regions-USSR

KOROTKEVICH, Ye.S.

Birds of eastern Antarctica. Probl. Arkt. i Antarkt.
no.1:95-108 '59. (MIRA 13:7)
(Antarctic regions--Birds)

Kostrovich, Ye.S.

PHASE I BOOK EXPLOITATION

SOV/4339

Sovetskaya antarkticheskaya ekspeditsiya, 1955-

Pervaya kontinental'naya ekspeditsiya 1955-1957 gg.; nauchnyye rezul'taty (First Continental Expedition, 1955-1957; Scientific Results) Leningrad, Izd-vo "Morskoy transport," 1959. 161 p. 2,000 copies printed. (Series: Its: Materialy, tom 2)

Sponsoring Agency: Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut.

Ed.: M.M. Somov, Doctor of Geographical Sciences; Tech. Ed.: L.P. Drozhzhina.

PURPOSE: This book is intended for polar specialists, geographers, geologists, meteorologists, and geophysicists.

COVERAGE: This book is Volume 2 of a multivolume work containing scientific data collected by the First Soviet Continental Expedition to the Antarctic (1955-57), sent out under the auspices of the Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut (Arctic and Antarctic Scientific Research Institute) as part of the IGY program. The purpose of the expedition was to survey an area between 74 to 111°E longitude and 59 to 70°S latitude (an area of about 1

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First Continental Expedition (Cont.)

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million square kilometers), to develop methods and techniques for field studies applicable to local conditions, and to initiate a systematic study of the natural phenomena of the region. Ground and aerial observations were conducted in the more interesting areas around and between Mirnyy and Pionerskaya, in the three oases of Grierson, Bunger, and Vestfold, on the Shackleton Ice Shelf, Drygalski Island, and a number of nunataks (Amundsen, Gauss, etc.). Geological, geographic, and geophysical observations were made at the Mirnyy Observatory and at the Pionerskaya and Oazis research stations. No personalities are mentioned. There are no references.

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First Continental Expedition (Cont.)	SOV/4339
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Korotkevich, Ye.S. Biogeographic Characteristics of the Expedition's Area of Operation	104

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3(5)

SOV/12-91-2-5/21

AUTHOR: Korotkevich, Ye.S.

TITLE: Ice Conditions in the Davis Sea

PERIODICAL: Izvestiya Vsesoyuznogo geograficheskogo obshchestva, 1959, Nr 2, pp 152-155 (USSR)

ABSTRACT: The author took part in the 1st Soviet Antarctic Expedition of 1956/57 and made a limited survey of the ice cover of the Davis Sea. More material in this respect was collected by the Soviet air navigators D.N. Morozov and V.D. Tulin. A.F. Treshnikov compared the winter-ice edge lines of 1956 and 1957 with data on English charts as shown in Yu.V. Makarov's book and found that for the two last years the edge was 200 to 500 km south of the lines indicated on the English maps. There are 3 charts, 1 graph, 1 photograph and 4 references 2 of which are Soviet, 1 English and 1 German.

Card 1/1

KOROTKEVICH, Ye. S.

Fire in the "Antarctic forest." Inform. biul. Sov. antark. eksp.
no. 4:76-77 '59. (MIRA 12:11)
(Antarctic regions--Botany)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824910010-6

KONOTABOVICH, Y.

"Shtoly" penguin. Inform.biul. Sov.antark.eksp. no. 6:5*-55 '59.

(MIRF 12:11)

(Penguins)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824910010-6"

KOROTKEVICH, Ye.S.

Penguin "kindergarten". Inform. biul. Sov. antark. eksp. no.7:
44 '59. (MIRA 13:3)
(Penguins)

KOROTKEVICH, Ye.S., kand.geograf.nauk; TIMOFEEV, B.V., kand.geologo-mineral.nauk

Age of rocks in eastern Antarctica. Inform.biul.Sov.antark.
eksp. no.12:41-46 '59. (MIRA 13:6)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy
institut (for Korotkevich). 2. Vsesoyuznyy neftyanyy nauchno-
issledovatel'skiy geologorazvedochnyy institut (for Timofeyev).
(Antarctic regions—Geology, Stratigraphic)

KOROTKEVICH, Ya.S.

Origin of the Antarctic bird fauna. Probl.Arkt.i Antarkt.
no.2:95-103 '60. (MIRA 13:6)
(Antarctic regions--Birds)

SOMOV, M.M., otv. red.; MAKSIMOV, I.V., zamestitel' otv.red.; TRESHNIKOV, A.F., zamestitel' otv.red.; ANDRIYASHEV, A.P., red.; BUYNITSKIY, V.Kh., red.; VORONOV, P.S., red.; DOLGIN, I.M., red.; KALESNIK, S.V., red.; KOROTKEVICH, Ye.S., red.; NIKOL'SKIY, A.P., red.; RAVICH, M.G., red.; TAUHER, G.M., red.; FROLOV, V.V., red.; SLEWICH, S.B., red.; KAPLINSKAYA, L.G., red.izd-va; DROZHZHINA, L.P., tekhn.red.

[Report on observations completed by the Soviet Antarctic Expedition in 1957 and 1958] Otchet o nabliudeniiakh, vypolnennykh Sovetskoi antarkticheskoi ekspeditsiei v 1957 i 1958 gg. Sovetskaya antarkticheskaya ekspeditsiya, 1955-1958. Leningrad, Izd-vo "Morskoi transport," 1960. 39 p (Informatsionnyi bulletin', no.15) (MIRA 13:6)
(Antarctic regions--Russian exploration)

KOROTKEVICH, Ye.S.

Radio messages from Antarctica. Inform. biul. Sov. antark. ekspl.
no.20:49-51 '60. (MIRA 13:9)

1. Nachal'nik Pyatoy kontinental'noy ekspeditsii v Antarktike.
(Antarctic Regions--Russian exploration)

KOROTKEVICH, Ye.S., kand.geograf.nauk

Sea bays in the Schirmacher "oasis" on Queen Maud Land. Inform.
biul. Sov. antark. eksp. no.21:8-9 '60. (MIRA 13:10)

1. Nachal'nik Pyatoy kontinental'noy ekspeditsii, Antarktika.
(Schirmacher Ponds region, Antarctica--Seashore)

KOROTKEVICH, Ye.S., kand.geograf.nauk

Radio messages from Antarctica. Inform. biul. Sov. antark. eksp.
no.21:49-51 '60. (MIRA 13:10)

1. Nachal'nik Pyatoy kontinental'noy ekspeditsii, Antarktika.
(Antarctic regions--Russian exploration)

KOROTKEVICH, Ye.S.

Radio messages from Antarctica. Inform. biul. Sov. antark. eksp.
(MIRA 14:5)
no.22:57-59 '60.

1. Nachal'nik Pyatoy kontinental'noy ekspeditsii.
(Antarctic regions—Russian exploration)

KOROTKEVICH, Ye.S.

Radio messages from Antarctica. Inform. biul. Sov. antark. eksp.
no.23:43-45 '60. (MIRA 14:5)

1. Nachal'nik Pyatoy kontinental'noy ekspeditsii.
(Antarctic regions--Russian exploration)

KOROTKEVICH, Ye.S.

Radio messages from Antarctica. Inform. biul. Sov. antark. eksp.
no. 24:58-61 '60. (MIRA 14:5)

1. Nachal'nik Pyatoy kontinental'noy ekspeditsii.
(Antarctic regions—Russian exploration)

KOROTKEVICH, Ye.S.

Radio messages from Antarctica. Inform. biul. Sov. antark.
eksp. no.27:40-44 '61. (MIRA 14:7)

1. Nachal'nik Pyatoy kontinental'noy ekspeditsii.
(Antarctic regions—Russian exploration)

KOROTKEVICH, Ye.S., kand.geograficheskikh nauk; LEDENEV, V.G., mladshiy
nauchnyy sotrudnik

Research in Enderby Land. Inform. biul. Sov. antark. eksp.
(MIRA 16:2)
no.33:5-9 '62.

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy
institut.
(Enderby Land—Russian exploration)

VORONOV, P.S., kand. geol.-mineral. nauk; KOROTKEVICH, Ye.S., kand.
geograf. nauk

Speed of the recent uplift of the Budd Coast of eastern
Antarctica. Inform. biul. Sov. antark. eksp. no.35:5-10
'62. (MIRA 16:11)

1. Nauchno-issledovatel'skiy institut geologii Arktiki
(for Voronov). 2. Arkticheskiy i antarkticheskiy nauchno-
issledovatel'skiy institut (for Korotkevich).

KOROTKEVICH, Ye.S., kand. geograf. nauk

Atlas of Antarctica. Inform. biul. Sov. antark. eksp. no.35:
56-58 '62. (MIRA 16:11)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy
institut.

KOROTKEVICH, Ye.S., kand. geograficheskikh nauk; LEDEMEV, V.G., mladshiy
nauchnyy sotrudnik

Definition of five seas off the coasts of Antarctica. Inform.
biul. Sov. antark. Eksp. no. 36:16-18 '62. (MIRA 16:4)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy
institut. (Antarctic regions—Ocean)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824910010-6

KOROTKEVICH, Ye.S.

Iakov IAkovlevich Gakkel'; on his 60th birthday. Izv. Vses. geog.
ob-va 94 no.3:258-259 My-Je '62. (MIRA 15:7)
(Gakkel', IAkov IAkovlevich, 1901-)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824910010-6"

KOROTKEVICH, Ye.S.

Some features of the similarity and diversity of nature of the Arctic
and Antarctic regions. Probl. Sev. no.7:199-210 '63. (MIRA 17:2)

KOROTKEVICH, Ye.S.

Glacial "swamps." Inform. biul. Sov. antark. eksp. no.40:
51-52 '63. (MIRA 16:7)

(Antarctic regions—Glaciers

KOROTKEVICH, Ye.S., kand.geograf.nauk

Distribution of Emperor penguins. Inform.biul.Sov.antark.eksp. no.42:
37-44 '63. (MIRA 17:1)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut.

KOROTKEVICH, Ye.S., kand.geograf.nauk

Intrashelf channel in eastern Antarctica. Inform.biul.Sov.antark.eksp.
no.41:15-18 '63. (MIRA 17:1)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut.

KOBLENTS, Ya.P.; KOROTKEVICH, Ye.S.

Uniformity of projections for general maps of the earth's polar
regions. Probl. Arkt. i Antarkt. no.17:66-72 '64.
(MIRA 18:4)

L 05861-67 EWT(1) GW
ACC NR: AT6019031 (N)

SOURCE CODE: UR/3174/64/000/050/0005/0007

AUTHOR: Kort, V. G. (Doctor of geographical sciences); Korotkevich, Ye. S. (Candidate of geographical sciences); Ledenev, V. G. (Junior research associate)

ORG: Institute of Oceanology, AN SSSR (Institut okeanologii AN SSSR); Arctic and Antarctic Scientific Research Institute (Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut)

TITLE: Boundaries of the Antarctic Ocean

SOURCE: Sovetskaya antarkticheskaya ekspeditsiya, 1955-. Informatsionnyy byulleten', no. 50, 1964, 5-7

TOPIC TAGS: Antarctic climate, mapping, ocean / ANTARCTIC OCEAN

ABSTRACT: This article discusses the boundaries of the Antarctic Ocean. The orographic principle was used when establishing the boundaries of the Antarctic Ocean which made it possible to draw the boundaries, where possible, to points of land with a maximal approximation to the natural boundaries of the antarctic circumpolar current. The boundaries of the Antarctic Ocean, its sectors, and seas are given by latitude and longitude and depicted in a figure. The position of the boundaries of the Antarctic Ocean given in this article is more clearly tied-in to certain points of land, e.g., the southern shores of Africa, Australia, South

Card 1/2

L 05861-67
ACC NR: AT6019031

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America, and to islands, and also adequately approximates the zone of the subtropical convergence, the natural northern boundary of the Antarctic Ocean. Orig. art. has: 1 figure.

SUB CODE: 08/ SUBM DATE: 04Jun64/ ORIG REF: 002/ OTH REF: 001

kh

Card 2/2

KOROTKEVICH, Ye.S., kand. geogr. nauk; KOBLENTS, Ya.P., kand. tekhn.
nauk

Regulating the terminology of the relief forms of the shelf
ices of Antarctica. Inform. biul. Sov. antark. eksp. no. 53:
40-43 '65. (MIRA 18:12)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy
institut. Submitted Jan. 27, 1965.

KOROTKEVICH, Ye.T.

Using floating pneumatic grain loaders for side trans-
shipment of grain. Rech.transp. 17 no.9:58 S'58. (MIRA 11:11)

1. Nachal'nik sluzhby portov Kamskogo rechnogo parokhodstva.
(Grain-handling machinery) (Loading and unloading)

L 23480-65 EWT(m)/EWP(t)/EWP(k)/EWP(b) Pf-4 JD

S/0145/64/000/011/0098/0105

ACCESSION NR: AP5002337

14
B

AUTHOR: Grabin, V.G. (Doctor of technical sciences, Professor); Podurayev, V. N. (Candidate of technical sciences); Korotkev ch, Yu. M. (Engineer)
Title: Cutting installation for investigating ultrahigh speed cutting

SOURCE: IVUZ. Mashinostroyeniye, no. 11, 1964, 68-105

TOPIC TAGS: metal cutting, high speed cutting, cutting tool design

ABSTRACT: The cutting processes presently in use result in specific cutting pressures exceeding the limiting strength of metals by at least 100%. Besides, the available speeds are low, efficiency when cutting newly designed materials, as well as being very costly. A new method of cutting is currently being worked out both in the Soviet Union and abroad, such as ultrahigh speed cutting. By this method, the plastic deformations and the heat evolved per unit volume during cutting motion are lowered. However, the quantity of heat obtained in a unit time increases greatly, worsening the working conditions of the cutting tools. At first, the temperature begins to drop, becoming the same as for the conventional used cutting process. The quantity heat obtained during cutting depends on the rate of deformation of the cut layer. The decrease in plastic deformation at very high cutting speeds is caused by concentration of the plastic deformation in minute volumes.

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L 23480-65

ACCESSION NR: AP5002337

as well as by intensive heating of the contact layers leading to lower forces of friction. Energy sources used for ultrahigh speed cutting are explosives, compressed air, liquid nitrogen, heated gases, high flux magnetism, as well as common electric energy. Present authors designed a special installation for stamping and the first model was used for testing and one for measuring the cutting force. Cutting was performed at the beginning of the stamping during the cutting stroke. It was found that when the velocity of the piston was increased from 400 to 800 m/sec. The cutting installation designed for stamping is not very useful and it will not be used for practical applications. Powder was used as the source of energy instead of the high explosives employed for stamping. Equations showed that the pressure on the metal depends on the gases obtained during powder combustion and cutting deformation energy. An empirical factor was derived for the losses due to installation friction and other reasons. The use of powder for mortars results in pressures which are lower than those needed for ultrahigh speed cutting. However, the installation has a simple design and may be used for machining various parts. The solution of some other problems, including the design of cutting tools, cutting speeds, recharging the press to the initial position, will allow it to be used as an automatic machine tool. Orig. art. has: 5 figures and 1 formula.

Card 2/3

KOROTKIKH, A. V.

"Diagnosis of infectious anemia of horses with anemin VIEV."

SO: Veterinarija 27(12), 1950, p. 16

KOROTKIKH, A. V.

"On the epizootiology of infectious anemia of horses."

SO: Veterinariia 28(6), 1951, p. 32

KOROTKIKH, A. V.

KOROTKIKH, A. V. Equine infectious anemia and the measures of the fight against it. Voronezh. Voronezh Oblast publishing House, 1952. 72 pages with illustrations. Price 1 ruble. 3,000 copies.

So: Veterinariya; 30; (3); March 1953; Uncl.
TABCON

KOBOTKIN, A.V.

~~Effect of external conditions upon the spread of infectious anemia
in horses. Veterinaria 30 no.2:19-22 Ja '53.~~ (MLRA 6:2)

KOROTKIKH, A. V.: Master Vet Sci (diss) -- "The role of external factors in the epizootiology of infectious anemia of horses, and prophylactic measures against this disease". Voronezh, 1959. 17 pp (All-Union Inst of Experimental Vet Med VASKHNIL), 150 copies (KL, No 15, 1959, 118)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824910010-6

KOROTKIKH, A.E.; SALEY, P.A.

Voronezh Veterinary Research Station. Trudy VIEW 23:366-370 '59.
(MIRA 13:10)
(Voronezh--Veterinary research)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824910010-6"

KOROTKIKH, A. V., SOLOV'YEV, S. I. and GRIDNIKOV, V. D. (NIVS and
Chief Veterinary Surgeon Evdakovsk raion, Voronezh Oblast')

Malignant foot-and-mouth disease of large cattle

Veterinariya, Vol. 38, No. 8, August 1961, pp. 23

KOROTKIKH, A.V.; SOLOV'YEV, S.I.; GRIDNIKOV, V.D.

Malignant foot-and-mouth disease in cattle. Veterinariia 38
no.8:23-24 Ag '61 (MIRA 18:1)

1. Voronezhskaya oblastnaya nauchno-issledovatel'skaya vete-
rinarnaya stantsiya (for Korotkikh, Solov'yev). 2. Glavnnyy
veterinarnyy vrach Yevdakovskogo rayona Voronezhskoy oblasti
(for Gridnikov).

KARATSUKOV, Sultan Aliyevich; KOROTKIKH, Aleksey Vasil'yevich;
BALKAROV, K.Sh., red.

[Laboratory control in farm dairies and milk receiving stations; manual for laboratory workers of farm dairies, for the inspectors of state and collective farm administrations, and laboratory workers of creameries and cheese factories] Laboratornyi kontrol' na prifermskikh molochnykh i punktakh priemki moloka; posobie dlia laborantov prifermskikh molochnykh inspektorov kolkhozno-sovkhoznykh upravlenii i laborantov maslosyrozavodov. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1963. 49 p.

(MIRA 17:9)

PALKIN, A.P.; KOROTKIKH, G.G.; VLASENKO, N.B.

Interaction in the systems: $\text{CdCl}_2 - \text{ZnCl}_2 - \text{Al}$ and $\text{CdCl}_2 - \text{TlCl} - \text{Al}$.
Zhur. neorg. khim. 5 no. 3:637-641 Mr '60. (MIRA 14:6)

(Cadmium chloride)

(Zinc chloride)

(Aluminum)

(Thallium chloride)

KOROTKIKH, G.I., kand.sel'skokhoz.nauk (Moskva)

Vial with a karakurt. Priroda 51 no.5:81-86 My '62.
(MIRA 15:5)
(Spiders)

KOROTKIKH, G. I.

Korotkikh, G. I. "Machines for Dry Treatment of Grain (Against Smut)," Trudy po Zashchite Rastenii. Seriia 3, no. 1, 1931, pp. 114-144. 423.92 L54C

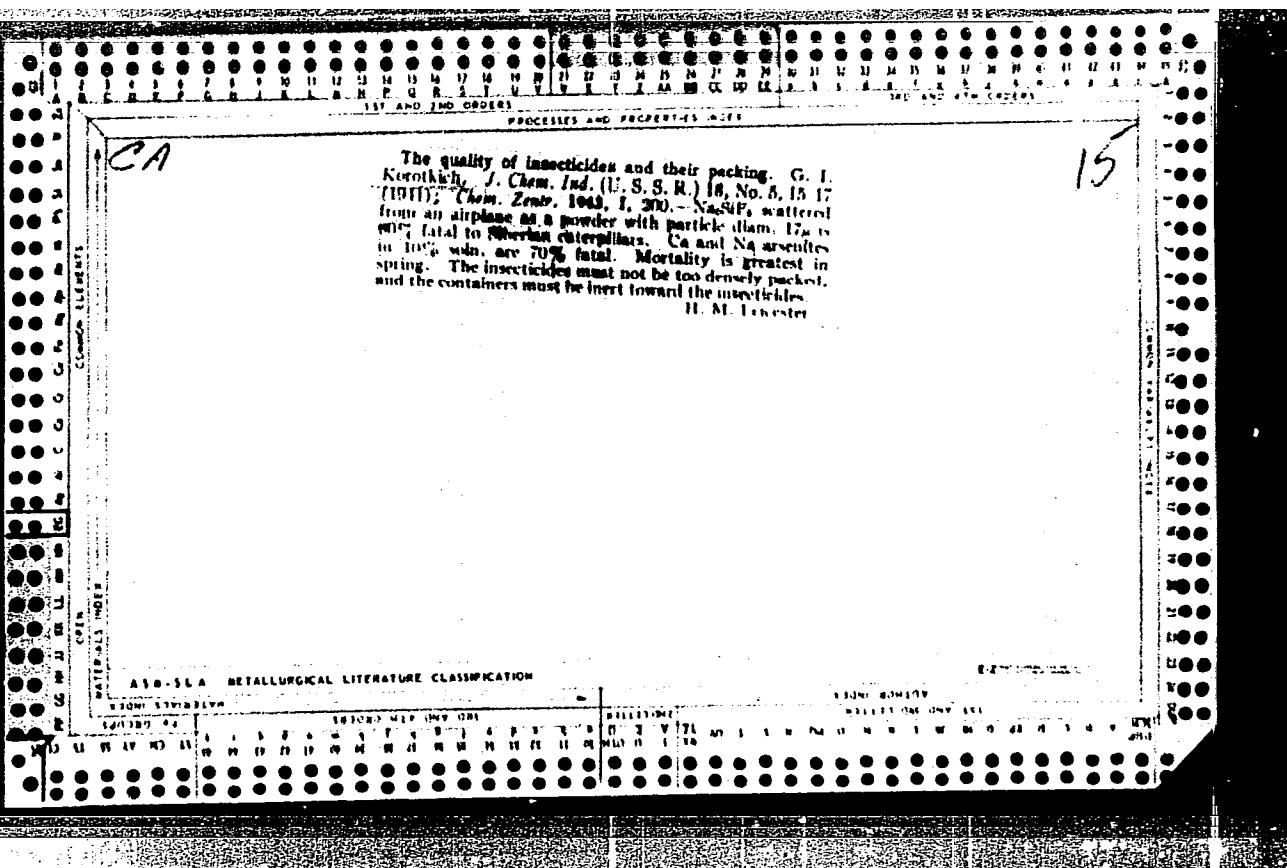
So: SIRA SI-19-53, 15 Dec 1953

KOROTKIKH, G.

Aviatsiia spetsial'nogo primeneniia na poroge 1936 g. [The aviation of special use at the beginning of 1936]. (Grazhdanskaia aviatsiia, 1935, no. 12, p. 7-9).

DLC: TL504.G7

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.



KOROTKIKH, G. I.

KOROTKIKH, G. I. "Aviation in Agriculture," in Sal'skokhoziaistvennaja Entsiklopedija,
State Publishers of Agricultural Literature, Moscow, Ed. 3, vol. 1, 1949, pp. 5-7
30.1 Se43 Ed. 3

So: SIRA SL-19-53, 15 Dec 1953

KOROTKIKH, G. I.

188T84

USSR/Medicine (Vet) - Transmitters of Jun 51
Infectious Diseases

"New Procedure for Combating Parasites of Livestock," G. I. Korotkikh, Moscow Sta of Plant Protection

"Veterinariya" Vol XXVIII, No 6, pp 46-49

Describes small aerosol sprayer which consists of tank, siphon tube, and rigid tube which is equipped with Venturi nozzle and attached to automobile exhaust. Can be used for spraying insecticides in stables, barns, storage rooms, flds, pastures, etc.

LC

188T84

KOROTKIKH, G. I.

"Aerosols and Equipment for Their Production", Sel'khozmashina, no 4,
April 1952.

So far as I can see, it contains nothing new or novel, either in principles developed or in application to the problem of aerosol generation.

It states the needs in respect to application of insecticides by the aerosol method very well, emphasizing as it does the need for wide coverage with use of minimum quantities of material.

I should say that this is simply a good article of a semi-popular, descriptive nature and reflects good thinking and work of some capable people in practical application.

Evaluation A-3074775- 20 Feb 57.

KOROTKIKH. G. I.

PA-245T17

USSR/Chemistry - Aerosols

"Aerosols," G. I. Korotkikh

"Nauka i Zhizn" No 10, p 30

Describes briefly the AAG aerosol generator, which uses the energy of automobile exhaust gases to transform insecticide, disinfectant, or weed killer liquids and solutions into aerosols at the rate of 1 liter per min. In this generator, both the mechanical and thermal dispersion principles are used, i.e., dispersion is produced partly by the mechanical effect of the gas stream and partly by evaporation and

Oct 52

245T17

condensation. The 1951 experimental EAU-1 generator of the Moscow Sta. for Plant Protection, which is mounted on a truck and operates in the same manner as the AAG model, is also described.

245T17

BERLYAND, M.Ye.; KOROTKIKH, G.I.; KRASIKOV, P.N.

Feasibility of using oil fog for the frost protection of plants.
Trudy GGO no.29:101-104 '52. (MIRA 11:1)
(Frost protection)

KOROTKIKH, G. I.

USSR/Chemistry, Colloidal - Aerosols Jul 52

"Artificial Fogs," G. I. Korotkikh, All-Union
Inst of Plant Protection

"Priroda" Vol 41, No 7, pp 110-112

Korotkikh describes the generation of aerosols for agricultural purposes (treatment of fields with insecticides, etc.). Mentions the advantages of using oil instead of water as a vehicle. States that in current practice a combined mech and condensation method are used for dispersion (the liquid is 1st dispersed mechanically by a stream of hot gas and then partly or completely

229T25

evapd). Describes the aerosol generator AAG (activated by automobile exhaust gases) designed by himself and Engr V. F. Stepanov. States that aerosol clouds released in the open can now be controlled as far as their movement due to atm currents is concerned by regulating the droplet size during the process of aerosol generation. Describes USSR research on aerosols.

229T25

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824910010-6

KOROTKIKH, G. I.:

Moscow Station of All-Union Institute for Plant Protection. Protection of
deers from gadfly and 'gnus'.
SO: Veterinariya; 30(5) May 1953

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824910010-6"

KOROTKIKH, G. I.

"Aerosols, a New Method of Application of Chemicals," "Peculiarities of the Aerosol Method and Its Application," and "Methods for the Study of the Physico-Chemical Properties of Aerosols" sections of the book Aerosols, Their Application for the Control of Pests of Grain Products and Parasites of Farm Animals, by A. M. Nikiforov, Moscow, 1954

U-3,054,664

KOROTKIKH, G. I.

Catalogue Card No K68 of the State Library of the USSR imeni V. I. Lenin announces the publication of the book Aerozoli i ikh Primeneniye v Sel'skom Khozyaystve (Aerosols and Their Use in Agriculture), by G. I. Korotkikh, Moscow, Sel'khozgiz, 1956, 112 pp, and gives the following description of the book:

"The author describes experiments on the use of aerosols for the struggle against plant pests and diseases and external parasites of agricultural animals. Special attention is drawn to the use of water aerosols, i.e., artificial fogs. Domestic and foreign apparatus is described together with its use, dose specifications, and typical conditions for conducting aerosol work. Perspectives for using aerosols is given in the concluding chapter. The bibliography contains 27 entries. The book is intended for specialists in agriculture and forestry." (U)

Sum. 1360

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 69872

Author : Korotkikh, G.I.

Inst APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824910010-6

Title : The Development of the Aerosole Method.

Orig Pub : Zashchita rast. ot vredit. i bolezney, 1956, No 3, 16-18

Abstract : In the different geographical zones of USSR the mechanized aerosol method of pesticides is widely used. High technical and economical results are obtained by using this method against tree pests at all heights of the trees. Attempts are made to use the aerosol machines for the treatment of fields; the hourly output reaches 50 ga. The Ag-L6 motor aerosol generator has been developed and applied successfully.

Card 1/1

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Card 1/1

KOROTKIKH, G.I.

The Fourth Conference on aerosols. Zashch. rast. ot vred. i bol. 3
no. 4:59 J1-Ag '58. (MIRA 11:9)
(Aerosols)

reactive motors. Little choice of toxic agents.
aerosol method. The absence of oil-soluble acaricides,
systemic poisons, fungicides, herbicides, defoliates.

An experiment in the control of the mallow moth in

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Card 1/2

- 14 -

and Acarid. Chemical Means in the Control of
Harmful Insects and Acarids.

Abs Jour : Ref Zhur Biol., No 6, 1959, 25418

Armenia in 1956 by treating cotton with aerosols of 8%
DDT solution in Diesel fuel. During the flight of the
moths on 17 April - 9 July, section No 1 was treated
(21-23 hours) 8 times (once in 3 days), section No 2 - 5
times and 3 times during the flight of moths of the suc-
cessive generation. As a result the numbers of the moths
and the diapausing caterpillars were diminished and the
damage to the buds, ovaries and fruit was decreased.
The cost of the aerosols used in a season in the treat-
ment of 1 ha of cotton was not more than 50 rubles. The
productivity of an aerosol generator for a night on 100
hectares is quite reasonable. -- A.P. Adrianov

Card 2/2

KIRUSHEV, A.G.; KOROTKIKH, G.I.

Aerosols against the cutworm Hadena basilinea. Zashch. rast. ot
vred. i bol. 4 no. 2:21 Mr-Ap '59. (MIRA 16:5)

(Kazakhstan—Cutworms—Extermination)

KOROTKIKH, G.I.

History of aerial mist spraying. Zashch.rast.ot vred.i bol.
4 no.3:63 My-Je '59. (MIRA 13:4)
(Spraying and dusting) (Aeronautics in agriculture)

KOROTKIKH, Grigoriy Ivanovich; GRIGOR'YEVA, A.I., red.; PROKOF'YEVA,
L.Y., tekhn.red.

[Aerosols in agriculture] Aerosoli v sel'skom khoziaistve.
Izd.2., perer. i dop. Moskva, Gos.izd-vo sel'khoz.lit-ry,
1960. 106 p. (MIRA 13:7)
(Aerosols)

KOROTKIKH, G. I.

Using aerosol apparatus. Zashch. rast. ot vred. i bol. 5 no.5:
43-45 My '60. (MIRA 16:1)

(Spraying and dusting equipment)

GMILOBOK, V.K.; KOROTKIKH, G.I.

Questions and answers. Zashch. rast. ot vred. i bol. 6 no.4:39-40
Ap '61. (MIRA 15:6)
(Plants, Protection of)

KOROTKIKH, G. I.

"Forecasting the appearance and calculating the prevalence of plant diseases and agricultural pests." Reviewed by G. I. Korotkikh. Zashch. rast. ot vred. i bol. 6 no.6:59 Je '61.
(MIRA 16:4)

(Plant diseases)
(Insects, Injurious and beneficial)

KALASHNIKOV, K.Ya.; KOROTKIKH, G.I.

Questions and answers. Zashch. rast. ot vred. i bol. 6
no.8:49,59 Ag '61. (MIRA 15:12)
(Plants, Protection of)

NIKULINA, N.K., agronom-fitopatolog; KOROTKIKH, G.I.

Questions and answers. Zashch. rast. ot vred. i bol. 6 no.9:
51 S '61. (MIRA 16:5)
(Plants, Protection of)

KOROTKIKH, G.I.

From the program to the action. Zashch. rast. ot vred. i bol. 6
no.10:5-6 O '61. (MIRA 16:6)

(Plants, Protection of)

KOROTKIKH, G.I.; NOVIKOVA, A.T., nachnyy sotrudnik.

Questions and answers. Zashch.rast.ot vred.i bol. 7 no.4:50 Ap '62.
(MIRA 15:12)
(Plants, Protection of)

KOROTKIKH, G.I.; RASHCHUPKINA, L.I., red.; SMIRNOVA, N.S., tekhn.
red.

[Aerosols in agriculture] Aerozoli v sel'skom khoziaistve.
Moskva, Vystavka dostizhenii narodnogo khoz., 1962. 11 p.
(MIRA 16:3)

(Aerosols) (Insecticides)

KOROTKIKH, Grigoriy Ivanovich, dr.

"The present position of the application of pesticidal aerosols
in the agriculture of the USSR"
To be presented at the First National Conference on
Aerosols - Liblice, Czechoslovakia, 8-13 Oct 1962

All-Union Inst. of Plant Protection, Vaskhnil f

KOROTKIKH, G.I.

Possible development of aerosol apparatus. Zashch. rast. ot
vred. i bol. 7 no.10:16-17 0 '62. (MIRA 16:6)

(Spraying and dusting equipment)

KOROTKIKH, G.I.; KALASHNIKOV, K.Ya.

Questions and answers. Zashch. rast. ot vred. i bol. 7 no.11:44-
45 N '62. (MIRA 16:7)